

From: jlapcev@firstenergycorp.com
To: [Flanders, Phillip](mailto:Flanders.Phillip)
Cc: [Jordan, Ronald](mailto:Jordan.Ronald); [Schroeder, Cuc](mailto:Schroeder.Cuc); [Thomas Finseth](mailto:Thomas.Finseth); rjones4@firstenergycorp.com; mjjiousek@firstenergycorp.com; wcannon@firstenergycorp.com
Subject: RE: Follow up to comments on proposed Steam Electric effluent guidelines
Date: Monday, March 10, 2014 2:42:41 PM
Attachments: [Response to Phillip Flanders-EPA Questions RE-HatfieldFGD306Data.docx](#)

Phil,

The attached Word document contains the questions you raised below along with my responses. I tried pasting the responses into this email, but kept losing the formatting. Please don't hesitate to call if you would like to discuss in more detail, or need further clarification.

Take care,

Joe Lapcevic
Supervisor, Water Permitting
(724) 838 - 6099 work
(234) 678 - 2385 fax
FirstEnergy Corp.
800 Cabin Hill Drive
Greensburg, PA 15601-1689

From: Flanders, Phillip [mailto:Flanders.Phillip@epa.gov]
Sent: Wednesday, March 05, 2014 9:38 AM
To: Lapcevic, Joseph P
Cc: Jordan, Ronald; Schroeder, Cuc; Thomas Finseth
Subject: RE: Follow up to comments on proposed Steam Electric effluent guidelines

Good Morning Joe,

Thank you for submitting additional data from Hatfield's Ferry. We believe that this will be helpful for evaluating comments regarding treatment of FGD wastewater. We would like to ask you some follow-up questions to ensure that we understand the submitted data. We understand that it may be difficult to locate some records because of the deactivation of the facility, however we would appreciate any input that you can offer.

These are the specific questions we would appreciate your input on regarding the Excel Spreadsheet that you sent us a couple of weeks ago.

1. What method was used for Arsenic in column D (AS - Arsenic) and Column E (HGTGEO - Mercury, Trace, Geochemical Labs)? The MDL is included on the spreadsheet, but we don't know what the quantitation limit and the reporting limit are.

2. In Column D (AS - Arsenic) one value is reported as <MDL and several are reported as 0. What exactly does a reported value of "0" mean? Were these samples also below the MDL? Does this mean the sample was a nondetect?

3. In Column E (HGTGEO - Mercury, Trace, Geochemical Labs) several values are reported as

0. What exactly does a reported value of "0" mean? Were these samples also below the MDL? Does this mean the sample was a nondetect?

4. What is the difference between Column F and Column G, both of which are labeled Hg (245.7)? Is the unit on Column G a typo? Should they both be ug/L? (The same numbers are reported in the two columns, but the units are different) Why is the sample from 9/17/2013 listed as below MDL in Column F and zero in Column G?

5. What is different about the samples reported between 7/7/2009 and 11/29/2011 and 11/6/2012 and 12/10/2013? Decommissioning Hatfield's Ferry only accounts for data acquired after 10/6/2013. The samples from 11/6/2012 onwards do not have sample numbers. Was a different method or a different laboratory used? Are these values in different units?

Thanks in advance for any advice you can offer,

Phillip Flanders, Ph.D.

Environmental Engineer
Engineering and Analysis Division
Office of Science and Technology
Office of Water



Mail Code 4303T
(202) 566-8323

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